

## ABSTRACT

Briefly, in one embodiment, a method for enhancing aggregate data throughput for a number of wireless devices. First, a signal having a first level of effective isotropic radiated power is transmitted by a first wireless electronic device. In the event that a response to the signal is received by the first wireless electronic device, the level of effective isotropic radiated power is reduced to a second level of effective isotropic radiated power. In another embodiment, the aggregate amount of data throughput may be enhanced by monitoring a level of effective isotropic radiated power associated with at least one beacon produced by the first wireless electronic device on a first communication channel. The level of effective isotropic radiated power of the beacon is then reduced if the monitored level is greater than a predetermined power level threshold.